

LILY PLANT NAMED 'CONCA D'OR'

Latin name of the genus and species of the plant claimed:

Lilium L. oriental hybrid

Variety denomination:

5 Conca D'or

BACKGROUND OF THE INVENTION

This application is based on U.S. provisional plant patent application serial no. 60/392,041, filed June 28, 2002.

The present invention comprises a new and distinct cultivar of lily
10 plant, botanically known as *Lilium L.*, and hereinafter referred to by the cultivar name 'Conca D'or'.

'Conca D'or' is a product of a planned breeding program which had the objective of creating new lily cultivars having many large upright flowers and vigorous growth habit.

15 'Conca D'or' originated from a hybridization made by the inventor, Cees A. van der Voort, in a controlled breeding program in Rijnsburg, the Netherlands in October, 1995. Both the female and male parents are unnamed proprietary *Lilium L.* seedlings.

'Conca D'or' was discovered and selected as one flowering plant
20 within the progeny of the stated cross by the inventor, in October, 1995 in a controlled environment in Rijnsburg, the Netherlands.

The first act of asexual reproduction of 'Conca D'or' was accomplished when scales were taken from the initial selection in a controlled

environment in Rijnsburg, the Netherlands by, or under the supervision of,
Cees A. van der Voort. Horticultural examination of selected plants has
demonstrated that the combination of characteristics as herein disclosed for
'Conca D'or' are firmly fixed and are retained through successive
5 generations of asexual reproduction.

BRIEF DESCRIPTION OF THE INVENTION

The following traits have been repeatedly observed and are
determined to be basic characteristics of 'Conca D'or' which in combination
distinguish this lily as a new and distinct cultivar:

- 10 1. large, upright light yellow flowers with darker yellow center and
 contrasting orange pollen; and
2. vigorous growth habit.

'Conca D'or' has not been observed under all possible environmental
conditions. The phenotype of the new cultivar may vary significantly with
15 variations in environment such as temperature, light intensity, and daylength
without any change in genotype.

BRIEF DESCRIPTION OF THE DRAWING

The accompanying color photographic drawing shows a typical plant
20 of 'Conca D'or', with colors being as true as possible with illustrations of
this type. The drawing shows the large, upright light yellow flowers with
darker yellow center and contrasting orange pollen, and the buds, and leaves
of the plant.

DETAILED BOTANICAL DESCRIPTION

The following observations, measurements and values describe the
5 new cultivar as grown in Rijnsburg, The Netherlands under conditions which
closely approximate those generally used in commercial practice. The plants
were grown under controlled climate conditions in a greenhouse. Color
references are made to the Royal Horticultural Society (RHS) Colour Chart
(publication date 2001), except where general colors of ordinary significance
10 are used. Color values were taken under daylight conditions at
approximately 12:00 pm in Rijnsburg, The Netherlands. The age of the plant
described is about 90 days.

PARENTAGE:

15 Male Parent: Unnamed proprietary seedling
Female Parent: Unnamed proprietary seedling

PROPAGATION: Scales were taken from the bulbs

20 PLANT:

General Appearance and Form:

Height: Medium, 90 cm, depending on growing conditions

Flowering Season: All year round in controlled climate conditions
in the greenhouse

Winter Hardiness/weather tolerance: None

Lastingness of the Individual Bloom: 21 days, depending on
5 storing conditions

Rooting Habit: Vigorous

Fragrance: Strong, typical to lily plants

STEM DESCRIPTION:

10 Length: Medium, 90 cm., depending on growing conditions
Diameter: 2.5 mm
Strength: Strong

FOLIAGE:

15 Overall Shape of Leaf: Ovate
Quantity: Approximately 35 – 45, depending on growing conditions
Length: Medium to long, 8.5 cm, depending on growing conditions
Width: Medium to wide, 2.5 cm, depending on growing conditions
Texture: Hardly any pubescence
20 Color of Upper Surface:
Mature leaf: Dark green – RHS 136A
Immature leaf: Medium green – RHS 136B
Color of Lower Surface:

Mature leaf: Medium green

Immature leaf: Medium green

Venation Color:

5 Upper surface: Medium green

Lower surface: Medium green

Petiole:

Length: 2.5 mm

Color: Medium green

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FLOWERS:

Flower type and habit: Raceme

Flower Diameter: 14 cm

Overall shape: Hexagonal star; bowl-shaped in cross-section

15 Average number of flowers per lateral branch: 4, depending on
growing conditions

Tepals:

Number of tepals: 6

Texture: Papillose

20 Tepal size:

Length: Medium to long, 3.5 cm

Width: Medium to wide, 5 cm

Tepal Color:

Upper surface: Yellow, between RHS 9B and RHS 12B

Lower surface: Light yellow, RHS 9D

BUD

- 5 Form: Tapering
- Color: Light yellowish-green, RHS 154D
- Length: 8 cm, depending on growing conditions
- Diameter: 2.5 depending on growing conditions
- Peduncles: 6 cm length, horizontal to upright angle, medium green in
- 10 color

REPRODUCTIVE ORGANS:

Stamen:

 Number: 6

- 15 Color: Yellowish green RHS 154B

Seeds: None

Fruit: None

Anthers:

 Number: 6

- 20 Color: Green

Pollen:

 Color: Greyed red RHS178C

 Stigma:

Number: 1

Color: Dark purple

DISEASE/PEST RESISTANCE/SUSCEPTIBILITY: No known information